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FIGURE 1

	70
ATTCCTCTTCATAATGCATGCTCTTTTGGTCATGCTGAAGTAGTCAATCTCCTTTTGCGACATGGTGCAG I P L H N A C S F G H A E V V N L L R H G A	70
ACCCCAATGCTCGAGATAATTGGAATTATACTCCTCTCCATGAAGCTGCAATTAAAGGAAAGATTGATGT DPNARDNWNYTPLHEAAIKGKIDV	140
TTGCATTGTGCTGTTACAGCATGGAGCTGAGCCAACCATCCGAAATACAGATGGAAGGACAGCATTGGAT C I V L L Q H G A E P T I R N T D G R T A L D	210
TTAGCAGATCCATCTGCCAAAGCAGTGCTTACTGGTGAATATAAGAAAGA	280
GGAGTGGCAATGAAGAAAAAATGTGGCTCTACTCACACCATTAAATGTCAACTGCCACGCAAGTGATGG R S G N E E K M M A L L T P L N V N C H A S D G	350
CAGAAAGTCAACTCCATTACATTTGGCAGCAGGATATAACAGAGTAAAGATTGTACAGCTGTTACTGCAA R K S T P L H L A A G Y N R V K I V Q L L L Q	420
CATGGACGTGATGTCCATGCTAAAGATAAAGGTGATCTGGTACCATTACACAATGCCTGTTCTTATGGTC H G R D V H A K D K G D L V P L H N A C S Y G	490
ATTATGAAGTAACTGAACTTTTGGTCAAGCATGGTGGCTGTGTAAATGCAATGGACTTGTGGCAATTCAC H Y E V T E L L V K H G G C V N A M D L W Q F T	560
TCCTCTTCATGAGGCAGCTTCTAAGAACAGGGTTGAAGTATGTTCTCTTCTCTTAAGTTATGGTGCAGAC PLHEAASKNRVEVCSLLLSYGAD	630
CCAACACTGCTCAATTGTAAGAATAAAAGTGCTATAGACTTGGCTCCCACACCACAGTTAAAAGAAAG	700
TAGCATATGAATTTAAAGGCCACTCGTTGCTGCAAGCTGCACGAGAAGCTGATGTTACTCGAATCAAAAA L A Y E F K G H S L L Q A A R E A D V T R I K K	770
ACATCTCTCTGGAAATGGTGAATTTCAAGCATCCTCAAACACATGAAACAGCATTGCATTGTGCTGCT H L S L E M V N F K H P Q <u>T H E T A L H C A A</u>	840
GCATCTCCATATCCCAAAAGAAAGCAAATATGTGAACTGTTGCTAAGAAAAGGAGCAAACATCAATGAAA A S P Y P K R K Q I C E L L R K G A N I N E	910
AGACTAAAGAATTCTTGACTCCTCTGCACGTGGCATCTGAGAAAGCTCATAATGATGTTGTTGAAGTAGT K T K $\underline{\mathtt{E}}$ F $\underline{\mathtt{L}}$ T P $\underline{\mathtt{L}}$ H $\underline{\mathtt{V}}$ A S $\underline{\mathtt{E}}$ K A H N D $\underline{\mathtt{V}}$ V $\underline{\mathtt{V}}$ V	980
GGTGAAACATGAAGCAAAGGTTAATGCTCTGGATAATCTTGGTCAGACTTCTCTACACAGAGCTGCATAT $f V \ \ K \ \ H \ \ E \ \ A \ \ V \ \ N \ \ A \ \ L \ \ D \ \ N \ \ L \ \ G \ \ Q \ \ T \ \ S \ \ L \ \ H \ \ R \ \ A \ \ Y$	1050
TGTGGTCATCTACAAACCTGCCGCCTACTCCTGAGCTATGGGTGTGATCCTAACATTATATCCCTTCAGG	1120
GCTTTACTGCTTTACAGATGGGAAATGAAAATGTACAGCAACTCCTCCAAGAGGGTATCTCATTAGGTAA G F T A L Q M G N E N V Q Q L L Q E G 1 S L G N	1190
TTCAGAGGCAGACAGACAATTGCTGGAAGCTGCAAAGGCTGGAGATGTCGAAACTGTAAAAAAAA	1260
ACTGTTCAGAGTGTCAACTGCAGAGACATTGAAGGGCGTCAGTCTACACCACTTCATTTTGCAGCTGGGT T V Q S V N C R D I E G R Q S T P L H F A A G	1330
ATAACAGAGTGTCCGTGGTGGAATATCTGCTACAGCATGGAGCTGATGTGCATGCTAAAGATAAAGGAGG Y N R V S V V E Y L L Q H G A D V H A K D K G G	1400
CCTTGTACCTTTGCACAATGCATGTTCTTACGGACATTATGAAGTTGCAGAACTTCTTGTTAAACATGGA L V P L H N A C S Y G H Y E V A E L L V K H G	1470
GCAGTAGTTAATGTAGCTGATTTATGGAAATTTACACCTTTACATGAAGCAGCAGCAAAAGGAAAATATG A V V N V A D L W K F T P L H E A A A K G K Y	1540
AAATTTGCAAACTTCTGCTCCAGCATGGTGCAGACCCTACAAAAAAAA	161

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GGATCTTGTTAAAGATGGAGATACAGATATTCAAGATCTGCTTAGGGGAGATGCAGCTTTGCTAGATGCT D L V K D G D T D I Q D L L R G D A A L L D A	1680
GCCAAGAAGGGTTGTTTAGCCAGAGTGAAGAAGTTGTCTTCTCCTGATAATGTAAATTGCCGCGATACCC $oldsymbol{A}$ $oldsymbol{K}$ $oldsymbol{K}$ $oldsymbol{G}$ $oldsymbol{C}$ $oldsymbol{C}$ $oldsymbol{G}$ $oldsymbol{G}$ $oldsymbol{G}$ $oldsymbol{C}$ $oldsymbol{C}$ $oldsymbol{G}$ $oldsymbol{G}$ $oldsymbol{C}$ $oldsymbol{G}$ $oldsymbol{C}$ $oldsymbol{G}$ $oldsymbol{G}$ $oldsymbol{C}$ $oldsymbol{C}$ $oldsymbol{G}$ $oldsymbol{G}$ $oldsymbol{G}$ $oldsymbol{C}$ $oldsymbol{G}$ $oldsy$	1750
AAGGCAGACATTCAACACCTTTACATTTAGCAGCTGGTTATAATAATTTAGAAGTTGCAGAGTATTTGTT Q	1820
ACAACACGGAGCTGATGTGAATGCCCAAGACAAAGGAGGACTTATTCCTTTACATAATGCAGCATCTTAC Q H G A D V N A Q D K G G L I P L H N A A S Y	1890
GGGCATGTAGATGTAGCAGCTCTACTAATAAAGTATAATGCATCTCTCAATGCCACGGACAAATGGGCTT G H V D V A A L L I K Y N A S L N A T D K W A	1960
TCACACCTTTGCACGAAGCAGCCCAAAAGGGACGAACACAGCTTTGTGCTTGCT	2030
TGACCCGACTCTTAAAAATCAGGAAGGACAAACACCTTTAGATTTAGTTTCAGCAGATGATGTCAGCGCT DPTLKNQEGQTPLDLVSADDVSA	2100
CTTCTGACAGCAGCCATGCCCCATCTGCTCTGCCCTCTTGTTACAAGCCTCAAGTGCTCAATGGTGTGA LLTAAAMPPSALPSCYKPQVLNGV	2170
GAAGCCCAGGAGCCACTGCAGATGCTCTCTCTTCAGGTCCATCTAGCCCATCAAGCCTTTCTGCAGCCAGRSPGATADALSSGPSSLSAAS	2240
CAGTCTTGACAACTTATCTGGGAGTTTTTCAGAACTGTCTTCAGTAGTTAGT	2310
GCTTCCAGTTTGGAGAAAAAGGAGGTTCCAGGAGTAGATTTTAGCATAACTCAATTCGTAAGGAATCTTG A S S L E K K E V P G V D F S I T Q F V R N L	2380
GACTTGAGCACCTAATGGATATATTTGAGAGAGAACAGATCACTTTGGATGTATTAGTTGAGATGGGGCAGLEHLMDIFEREQITLDVLVEMGH	2450
CAAGGAGCTGAAGGAGATTGGAATCAATGCTTATGGACATAGGCACAAACTAATTAAAGGAGTCGAGAGA K E L K E I G I N A Y G H R H K L I K G V E R	2520
CTTATCTCCGGACAACAAGGTCTTAACCCATATTTAACTTTGAACACCTCTGGTAGTGGAACAATTCTTA L I S G Q Q G L N P Y L T L N T S G S G T I L	2590
TAGATCTGTCTCCTGATGATAAAGAGTTTCAGTCTGTGGAGGAAGAGATGCAAAGTACAGTTCGAGAGCA I D L S P D D K E F Q S V E E E M Q S T V R E H	2660
CAGAGATGGAGGTCATGCAGGTGGAATCTTCAACAGATACAATATTCTCAAGATTCAGAAGGTTTGTAACR DGGHAGGTTTGTAACR DGGHAGGTTTGTAACR DGGHAGGTTTGTAACR DGGHAGGTTTGTAACR DGGHAGATGGAAGGTTTGTAACR RDGGTGGAAGGTTTGTAACR RDGGTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTTGGAAGGTGGAAGGTGGAAGGTGGAAGGTGGAAGGTGGAAGGTGGAAGGTGGAAGGTGGAAGGTGGAAGGTGGAAGGTGGAAGGTGGAAGGTGGAAGGTGGAAGGAAGGTGGAAGAAAGAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAA	2730
AAGAAACTATGGGAAAGATACACTCACCGGAGAAAAGAAGTTTCTGAAGAAAACCACAACCATGCCAATG	2800
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2870
GTACATAGGTGGTATGTTTGGAGCTGGCATTTATTTTGCTGAAAACTCTTCCAAAAGCAATCAAT	2940
TATGGAATTGGAGGAGGTACTGGGTGTCCAGTTCACAAAGACAGATCTTGTTACATTTGCCACAGGCAGC Y G I G G T G C P V H K D R S C Y I C H R Q	3010
TGCTCTTTTGCCGGGTAACCTTGGGAAAGTCTTTCCTGCAGTTCAGTGCAATGAAAATGGCACATTCTCC L L F C R V T L G K S F L Q F S A M K M A H S P	3080
TCCAGGTCATCACTCAGTCACTGGTAGGCCCAGTGTAAATGGCCCTAGCATTAGCTGAATATGTTATTTAC PGHHSVTGRPSVNGLALAEYVIY	3150
AGAGGAGAACAGGCTTATCCTGAGTATTTAATTACTTACCAGATTATGAGGCCTGAAGGTATGGTCGATG R G E Q A Y P E Y L I T Y Q I M R P F G M V D	3220
GATAAATAGTTATTTTAAGAAACTAATTCCACTGAACCTAAAATCATĈAAAGCAGCAGTGGCCTCTACGT G *	3290

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TTTACTCCTTTGCTGAAAAAAATCATCTTGCCCACAGGCCTGTGGCAAAAGGATAAAAATGTGAACGAA 3360

GTTTAACATTCTGACTTGATAAAGCTTTAATAATGTACAG

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CONSTRUCT	STRUCTURE
N	PRO
c	
N + C	PRO
FL	PRO PH SH2

В		
CONSTRUCT	MEAN RLU (LIQUID ASSAY) (X 10 ³)	COLOUR INTENSITY (FILTER ASSAY)
pAS2.1	4	
N	109	-++
C	3	
N + C	194	++
FL	242	· • • • • • • • • • • • • • • • • • • •